

Title (en)
SHOCK AND VIBRATION ISOLATION LOCKING SYSTEM

Publication
EP 0308461 B1 19920812 (EN)

Application
EP 88903056 A 19880301

Priority
US 2933187 A 19870323

Abstract (en)
[origin: US4749164A] In a shock and vibration isolation system wherein a device having a top, bottom, sides, front and back is mounted on moving isolators between and in spaced relationship to top and bottom members, front operable locking apparatus for releasably holding the device in place against vertical, lateral and longitudinal movement during shipping. A top releasable locking assembly is disposed between the top member and the device and a bottom releasable locking assembly is disposed between the bottom member and the device. Each releasable locking assembly includes a first pivot bar pivotally mounted to the adjacent member and extending perpendicular to and between the sides of the device. An operating arm is attached to one end of the first pivot bar at right angles thereto and disposed so as to pivot in a plane close adjacent and parallel to the side of the device at the end between a first position lying along the adjacent member and a second position angularly disposed with respect to the adjacent member. A threaded bolt is carried by the adjacent member at the front of the device for releasably holding the operating arm in the first position. A first locking assembly is carried by the first pivot bar and includes locking projections having horizontal stabilizing bars for entering into locking relationship with the device to hold it from movement when the operating arm is in the first position and for moving out of locking relationship with the device to allow metal movement thereof when the operating arm is moved to the second position. Finally, a bias spring is operably connected to urge the operating arm towards the second position whereby when the locking apparatus is released following shipment the device will be unlocked for normal movement.

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